

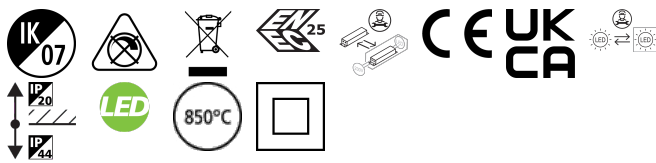
## Insaver HO Topper LED II 150

*Insaver HO Topper LED II 150 RO 12W WW*  
3033930



### Product features

- IP44 from the front round LED downlight with outputs of up to 2,289lm and an efficacy of up to 99lm/W. Polycarbonate diffuser with a white bezel. Shallow recess depth (<65mm). Available in 12, 15, 21 & 25W in 150mm, 175mm, 205mm & 225mm cut out sizes. Perfect for up to 2x26W CFL replacement. Includes loop-in loop-out facility for quick installation.



### PRODUCT OVERVIEW

Product name	Insaver HO Topper LED II 150 RO 12W WW
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Interior
General application	Hospitality
ETIM Class	EC001744
E-number SE	7465688
Warranty	5 years
Fixture luminous flux (lm)	1047
Luminaire efficacy (lm/W)	87
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	74
Glare control	< 24
Photobiological Risk Group	RG0
Total power consumption (W)	12
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Product EAN number	8711971339304

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### DATA TABLE

#### General data

Product name	Insaver HO Topper LED II 150 RO 12W WW
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Interior
General application	Hospitality
Operating temperature range (°C)	-10°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
E-number SE	7465688
Warranty	5 years

#### Optical data

Fixture luminous flux (lm)	1047
Luminaire efficacy (lm/W)	87
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Adjustable chromaticity	N
Beam Angle (°)	74
Distribution type	Symmetric
Glare control	< 24
Photobiological Risk Group	RG0

#### Electrical data

Total power consumption (W)	12
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	20
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	290
Inrush Current (A)	6.3
Inrush Duration (µs)	830
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	F
Nominal Frequency (Hz)	50/60Hz

## Insaver HO Topper LED II 150

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LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	12
Max. products per 13A C Breaker	16
Max. products per 16A C Breaker	20
Max. products per 20A C Breaker	25

### Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	74000
Lifespan L90 B10	34000

### Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Reflector finish	High-gloss
Nominal Product Height (mm)	45
Nominal Product Diameter (mm)	165
Cutout Dimensions (W x L in mm or Diameter in mm)	150
Weight (kg)	0.429
Recessed Depth (mm)	150

### Packaging

Single packaging type	Carton
Product EAN number	8711971339304
Packaging single length / height (cm)	19.5
Packaging single width (cm)	19.5
Packaging single depth (cm)	6.2
DUN14 (outer)	18711971339301
Units per outer package	12
Packaging outer length / height (cm)	42.1
Packaging outer width (cm)	42.5
Packaging outer depth (cm)	22.8

### Safety data

Optimal operating condition (°C)	-10-25
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## PHOTOMETRY

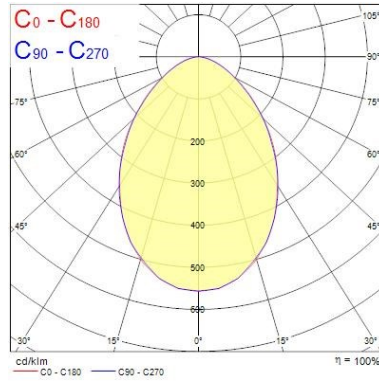
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0.5	0.81 0.83	E(0°) E(C90) E(C0)	2328 847 531
1.0	1.63 1.66	E(0°) E(C90) E(C0)	582 197 133
1.5	2.44 2.49	E(0°) E(C90) E(C0)	259 81 59
2.0	3.25 3.32	E(0°) E(C90) E(C0)	148 44 33
2.5	4.06 4.15	E(0°) E(C90) E(C0)	93 23 21
3.0	4.88 4.98	E(0°) E(C90) E(C0)	66 14 15

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 75.4°)  
— C90 - C270 (Half beam angle: 75.2°)



### TECHNICAL DRAWINGS

